

Ln 3382 - 3577

Ad 3486 - 3491

James Raney -

Mrs. Sarah A. Raney,
126 Scott St. San Francisco,
Cal.

next Dr

3562

next 3489 Hyd
" 3592 Dr

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

J. K. H.
 57° 01' N. 136° 46' W

No. 3486 Hyd. Date Sept. 17, 1893

Sigsbee Machine. #2 Reel. *Navy*

Turns/194 Cor. + 76 Depth 1270

Shot or lead 60 lbs.

Bottom h. m.

Bottom temperature 35.0

No. of thermometer 63919 Cor. +0.1

Corrected temperature 35.1

Air 58° Surface 52° Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

5-17-05	41-20	0	1183	159
18-00	40-15	100	1194	157
18-50	39-35	200	2989	182
19-35	38-50	300		1194
20-25	38-00	400		1276
21-15	37-10	500		
22-10	36-10	600		
23-05	35-10	700		
24-10	34-10	800		
25-10	33-10	900		
26-15	32-10	1000		
27-25	31-15	1100		
28-25	30-15	1194		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Made 18 min. while reeling in.

P. Log. 90.4

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		4183	159.	
50		1194	83	
100		2989	76	
200			1194	
300			1270	
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

597. *JKH* ✓ 59°00' N. 136°12'30" W

No. 3487 Hyd Date Sept 17, 1893.

Sigsbee Machine. #2 Reel. Navy

Turns 710 Cor. + 46 Depth 756 fms

Shot or lead 35 lbs.

Bottom gn. M. S.

Bottom temperature 39.0

No. of thermometer 62358 Cor. -0.1

Corrected temperature 38.9

Air 55° Surface 53° Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7-37-40	32-20	0	4183	159
38-33	31-10	100	710	113
39-25	30-20	200	3473	46
40-17	49-30	300		710
41-15	48-40	400		756
42-10	47-50	500		
43-15	47-00	600		
44-20	46-05	700		
44-25	7-46-00	710		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Made 5/10 mi. while reeling in.

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		4183	159	
50		710	113	
100		3473	46	
200			710	
300			756	
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

307.

NR 56° 58' 40" N. 135° 0' 47' 30" W.

No. *3488* Hyd Date *Sept. 17/93*

Tanner Machine. Reel.

Turns *53* Cor. + *2*

Depth *55 fms*

Shot or lead *35 lb*

Bottom *Rky.*

Bottom temperature *45.0*

No. of thermometer *63919* Cor. *+*

Corrected temperature *45.0*

Air *55°* Surface *54°* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9.42.45</i>	<i>43.58</i>	0		
<i>43.22</i>	<i>9.43.23</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Log = 20.5

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300		545		
400		53		
500		1072		
600				
700				
800				
900				
1000				

REMARKS:

San Diego Bay

No. 556215 Date Mar 17, 1894
Haul Machine. Reel-

Turns Cor. + Depth 7 fms

Shot or lead 14 lbs

Bottom S. bk sh.

Bottom temperature } none
No. of thermometer } taken Cor.

Corrected temperature

Air 62 Surface 58 Drift 200 yds

Trawl or dredge beam 15 minutes

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	at 5m	at 5m
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

*Numerous small shells, one worm
 bottom specimen saved, consisting
 of many small shells & sand,
 one sand dollar.*

San Diego Bay

No. 3163 Date Mar 17 - 1894,

Machine. Reel.

Turns Cor. + Depth 6 1/2

Shot or lead 14 lb. Hand.

Bottom fm. S. bk.

Bottom temperature } none

No. of thermometer } taken. Cor.

Corrected temperature

Air Surface Drift

~~Trawl or dredge~~ dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Handwritten notes and signatures, mostly illegible.

San Diego Bay

No. 1 - Date Nov 19 1884

Machine. Reel.

Turns Cor. + Depth 5 fms

Shot or lead 14 lb. Hand.

Bottom fine S.M. bk. sh.

Bottom temperature } none

No. of thermometer } taken Cor.

Corrected temperature

Air 66 Surface 58 Drift 200 yds

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	14.50	
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

San Diego Bay

No. 35658 - Date 1894,

Machine. Reel.

Turns Cor. + Depth 4 1/2 fms.

~~Shot~~ or lead 14-lb. Hand,

Bottom fm S. M., but sh.

Bottom temperature } none

No. of thermometer } taken. Cor.

Corrected temperature

Air 64 Surface 58 Drift 200 yds.

~~Trawl or dredge~~ boat.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	2 m	2 m
		100	11.28	11.40
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

*Bottom haul in 1000 fms
one bottle, several empty, small
shells & sand.*

San Diego Bay

No. 356 : D- Date Mar 19 1894.

Machine. Reel.

Turns Cor. + Depth 3 fms

~~Shot or lead~~ 14 lb. Hand.

Bottom fm S. bk sho

Bottom temperature } none
No. of thermometer } taken. Cor.

Corrected temperature

Air 60 Surface 5-8 Drift 200 yds

~~Trawl or dredge~~ beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	11.56	10
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Bottom shown sand.

San Diego Bay

No. 567 Date May 24/94
Machine. Reel.

Turns Cor. + Depth 5 fms

Shot or lead 14 lb. Hook.

Bottom fine S. bk. Sh

Bottom temperature } none

No. of thermometer } taken. Cor.

Corrected temperature

Air 59. Surface 59. Drift: none

Trawl or dredge boat.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	7.27	9.47
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Many small shells, few things
found at bottom, few small crabs,
few small lobsters.

San Diego Bay

No.

Date

Machine.

Reel.

Turns

Cor. +

Depth

~~Shot~~ lead

14 lb. Hand

Bottom

Fnd o. s. k. Sh.

Bottom temperature

No. of thermometer

Corrected temperature

Air

37

Surface

37

Drift

200 yds

Trawl or dredge

Fnd o. s. k. Sh.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

9.52

10.02

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Few small shells, no living.

Qua. Sigsbee Reel

No. *3567* Date *March 21/94*

Machine. Reel.

Turns Cor. + Depth *6 fms.*

Shot or lead *14 lb Hayes*

Bottom *fine sand & sh*

Bottom temperature } *none*

No. of thermometer } *taken* Cor.

Corrected temperature

Air *59* Surface *57* Drift *none*

Trawl or dredge *bowl*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	<i>10-00</i>	<i>10-15</i>
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Many small shells, few
strange.

807.

San Diego Bay

No.

3570 N.

Date

March 11/97

Machine.

Reel.

Turns

Cor. +

Depth

2 fms

~~Shot or~~ lead

12 lb

Hay

Bottom

fine S. Oyster Sh.

Bottom temperature

none

No. of thermometer

taken

Cor.

Corrected temperature

Air

60

Surface

57

Drift

300 yds

Trawl or dredge

boat

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

10.25

12.45

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Dragged over Oyster bank,
found oysters, great many shells,
sponges, many small shells,
few small crabs, also shells.

No. *2571* Date *Mar 21/91*

Machine. Reel.

Turns Cor. + Depth *2 fms*

~~Shot or lead~~ *14 lb* *Hard*

Bottom *Hard*

Bottom temperature } *none*

No. of thermometer } *taken* Cor.

Corrected temperature

Air *65* Surface *57* Drift *0*

Trawl or dredge *None*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	<i>11.5</i>	<i>11.25</i>
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Red Sea

No.

3092 S- Date March 1/94

Machine. Reel.

Turns

Cor. +

Depth 2 fms

~~Shot or lead~~

14 lb. Haul

Bottom

M. S. fine S.

Bottom temperature

none

No. of thermometer

none Cor.

Corrected temperature

Air

8.

Surface

50

Drift

0.3

Trawl or dredge

boat

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

11-18

11-20

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

1 bot. bottle of water from
bottom of small tank,
water tested.

507.

San Diego Bay

No.

Date

Machine. Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	11. 40	11. 50
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Many small shells & corals
 taken, 1 only

No. *254* Date *11/1/1911*

Machine. Reel.

Turns Cor. + Depth *254*

~~Shot or lead~~ *14 lb. Hand.*

Bottom *fine S.*

Bottom temperature *11.1*

No. of thermometer *1 later* Cor.

Corrected temperature

Air *64* Surface *57* Drift *1/2 N.*

Trawl or dredge *boat*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Top shells & Woodcock, 297
 Clams, Sponges, few crabs,
 3 small filaridies, 1 w. opus,
 1 naked Mollusk, 1 sh.

Duck Pond

No. 3575 B- Date June 21 1890

Machine. Reel.

Turns Cor. + Depth 6 1/2 fms

Shot or lead 14 lb Hand.

Bottom S.

Bottom temperature } now

No. of thermometer } taken Cor.

Corrected temperature } 66

Air Surface Drift 1/2 mi.

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

3, 12 2. 1

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

No. *376* Date *Jan 21 94*
 Machine. Reel.
 Turns Cor. + Depth *5*
~~Shot or lead~~ *14 lb. Hand*
 Bottom *fine X L. Sh.*
 Bottom temperature } *none*
 No. of thermometer } *taken* Cor.
 Corrected temperature }
 Air Surface *5* Drift *0 00*
 Trawl or dredge *Hand*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	<i>3,37</i>	<i>3,47</i>
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

1. *galea* 5 ft. *Stomach*, *1*
phirans, *few* *shrimps*, *in* *com.*
1 *penatula*,

No. *577* Date *March 21 92*
 Machine. Reel.
 Turns Cor. + Depth *6 1/2*
 Shot or lead *14 lb Hand*
 Bottom *gy S. G. Sh. H.*
 Bottom temperature } *none*
 No. of thermometer } *taken* Cor.
 Corrected temperature
 Air *6* Surface *5* Drift *1/2 N.*
 Trawl or dredge *bad*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	<i>4 02</i>	<i>4 15</i>
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

1000 fathoms. 2000 fathoms.
 1000 fathoms. 2000 fathoms.
 1000 fathoms. 2000 fathoms.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

13. *Platyphus, few shrimp
for 2000, 1 small fish.*

No. *3579* Date *11-27-77*

Machine. Reel.

Turns Cor. + Depth

Shot or lead *14 lb. Hand*

Bottom *fine s.*

Bottom temperature } *none*

No. of thermometer } *taken* Cor.

Corrected temperature

Air *57* Surface *53* Drift *2/10/11*

Trawl or dredge *Hand*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:



No. 3580 S. Date 11/27/94

Machine. Reel.

Turns Cor. + Depth

Shot or lead Hand - 11

Bottom Sand.

Bottom temperature } none

No. of thermometer } later Cor.

Corrected temperature

Air 5 Surface 5 Drift 1/10 W

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	10.12	10.19
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

1st hand down, for use.

No.

358 / 18

Date

May 17 / 12

Machine.

Reel.

Turns

Cor. +

Depth

1150

Shot or lead

14 lb. Haydn

Bottom

fine S. & X S.

Bottom temperature

none

No. of thermometer

Cor.

Corrected temperature

total

Air

55

Surface

55

Drift

7 1/4

Trawl or dredge

600 X

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

10.7

10.40

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Shrimp, 1 crab, do
13' mud, 10' sand, 10' water
warm, few small crabs,

Machine. Reel.

Turns	Cor. +	Depth
		6/14/21

Shot or lead 144 lb. 144 lb.

Bottom 4. 2/1/20.

Bottom temperature 71.0 m ✓

No. of thermometer *6111* Cor.

Corrected temperature

Air	Surface	Drift
29	29	1.0
30	30	1.0
31	31	1.0
32	32	1.0
33	33	1.0
34	34	1.0
35	35	1.0
36	36	1.0
37	37	1.0
38	38	1.0
39	39	1.0
40	40	1.0
41	41	1.0
42	42	1.0
43	43	1.0
44	44	1.0
45	45	1.0
46	46	1.0
47	47	1.0
48	48	1.0
49	49	1.0
50	50	1.0
51	51	1.0
52	52	1.0
53	53	1.0
54	54	1.0
55	55	1.0
56	56	1.0
57	57	1.0
58	58	1.0
59	59	1.0
60	60	1.0
61	61	1.0
62	62	1.0
63	63	1.0
64	64	1.0
65	65	1.0
66	66	1.0
67	67	1.0
68	68	1.0
69	69	1.0
70	70	1.0
71	71	1.0
72	72	1.0
73	73	1.0
74	74	1.0
75	75	1.0
76	76	1.0
77	77	1.0
78	78	1.0
79	79	1.0
80	80	1.0
81	81	1.0
82	82	1.0
83	83	1.0
84	84	1.0
85	85	1.0
86	86	1.0
87	87	1.0
88	88	1.0
89	89	1.0
90	90	1.0
91	91	1.0
92	92	1.0
93	93	1.0
94	94	1.0
95	95	1.0
96	96	1.0
97	97	1.0
98	98	1.0
99	99	1.0
100	100	1.0

Trawl or dredge 1-6 ft.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		11.15
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

From ship's deck down

S. S. Indigo Bay
 No. *555* Date *May 27 72*

Machine. Reel.
 Turns Cor. + Depth *4 fms*
 Shot or lead *35 lb Hand*
 Bottom *fine s + sh*
 Bottom temperature } *none*
 No. of thermometer } *1000* Cor.
 Corrected temperature }
 Air *59* Surface *55* Drift *01 11*
 Trawl or dredge *none*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	<i>11:10</i>	<i>11:10</i>
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

No. *548* - Date *197/2*

Machine. Reel.

Turns Cor. + Depth *8 fms*~~Shot or~~ lead *14 lb Hand.*Bottom *(16 2. 8 P 5)*Bottom temperature *none*No. of thermometer *laken.* Cor.

Corrected temperature

Air *58* Surface *52* Drift *30*Trawl or dredge *600 X*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	<i>11.22.5</i>	<i>11.25.5</i>
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

*1 small flounder
 1 crab, 1 small white, few
 worms,*

No. *30855* - Date *March 24/94*
 Machine. Reel.
 Turns Cor. + Depth *4 fms*
 Shot or lead *Hand.*
 Bottom *fine gy. s.*
 Bottom temperature } *none*
 No. of thermometer } *taken* Cor.
 Corrected temperature
 Air *63* Surface *57* Drift *3/10 mile*
 Trawl or dredge *Hand*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	<i>1:30</i>	<i>1:46</i>
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

*Trawl filled with
One flounder.*

No. 3586 Date Mar 29/04
Machine. Reel.

Turns Cor. + Depth 4 fms

Shot or lead 35 lb Hand.

Bottom

Bottom temperature

No. of thermometer

Corrected temperature

Air

10.3

Surface

5.7

Drift

Trawl or dredge

boat

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	P. 4m	P. 4m
		100	1.50	2.15
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Trawl filled with grass, &
 Mollusk. 3 shrimp.

507.

San Diego,

No. 35275 Date Mar 24/94

Machine. Reel.

Turns Cor. + Depth 3 fms,

Shot or lead 14 lb Hand -

Bottom fine sand

Bottom temperature } none

No. of thermometer } Taken. Cor.

Corrected temperature

Air 64 Surface 57 Drift $\frac{3}{10}$ mile

Trawl or dredge 1

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	2, 30	2, 45
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Not filled with gun sand
No specimens

No. 3588 Date Mar 24, 1874
Machine. Reel.

Turns Cor. + Depth $2\frac{1}{2}$ fms,

Shot or lead 14 lb Hard

Bottom Rky. Oyster

Bottom temperature } none

No. of thermometer } Latimer Cor.

Corrected temperature

Air 64 Surface 57 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	2. 2. 2	3. 1
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Many Sigsbee dead & alive
(by the) Thompson, from
L. ...
at ...

No. 3589 Date Mar 27 1881
Machine. Reel.

Turns Cor. + Depth 3 fms

Shot or lead 17 lb. Hand.

Bottom Rky, oyster

Bottom temperature none

No. of thermometer taken Cor.

Corrected temperature

Air 64 Surface 57 Drift $\frac{3}{10}$ m

Trawl or dredge beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	8.25	9.12
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

(Faint handwritten notes, possibly describing temperature readings or observations.)

507.

San Diego Bay

No. 8570 Date Mar. 21 1894

Machine. Reel.

Turns Cor. + Depth $3\frac{1}{2}$ fm.

Shot or lead 14 lb. Hand

Bottom Rhy. bk. sh.

Bottom temperature } none

No. of thermometer } taken. Cor.

Corrected temperature

Air 65 Surface 57 Drift $\frac{3}{10}$ m.

Trawl or dredge beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	3.50	4.05
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

*At 1000 fms. depth of water
2, 400 fms. depth of water
1000 fms. depth of water
1000 fms. depth of water*

107.

San Diego Bay

No.

3371 Date March 17 1894

Machine.

Reel.

Turns

Cor. +

Depth

4 1/2 fms

Shot or lead

Hauled

Bottom

Rky. bk. Sh.

Bottom temperature

No. of thermometer

Corrected temperature

none
taken

Cor.

Air

64

Surface

57

Drift

3/10 m.

Trawl or dredge

Boat

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

*See Logbook, 1881
Cape Cod, Massachusetts
Spring, 1881, 1882, 1883
a series of studies, & drawings*

NOT.

No. *3598* Date *Jan 1891*
Vanner Machine. Reel.

Turns *24* Cor. + *0* Depth *24 fms*

Shot or lead *26 lb*

Bottom *A. r. S.*

Bottom temperature

No. of thermometer *1* Cor.

Corrected temperature *1*

Air Surface Drift

Trawl or dredge *9 ft beam*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>9.10</i>	<i>9.10</i>	0	<i>9.55</i>	<i>9.55</i>
		<i>100</i>	<i>9.54.10</i>	<i>9.55.10</i>
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

S. 1 Region *WV 7 1/2 N.*
48-11-30, 12 2 1/2 18.

No. *257* Date *July 12 1898*

Machine. Reel.

Turns *35* Cor. + *2* Depth *37 fms*

Shot or lead *26 lb*

Bottom *Key*

Bottom temperature *46*

No. of thermometer *6672* Cor. *N 1/2 W*

Corrected temperature

Air Surface Drift *3 miles*

Trawl or dredge *2 ft. dredge*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>10, 27</i>	<i>10, 27.45</i>	0	<i>10, 29</i>	<i>10, 42, 00</i>
		100	<i>10, 31, 45</i>	<i>10, 40, 00</i>
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

1st. Small shells, and 250 in water.
 Brachyopoda. Some small reef
 corals and sponges.

48-12, 1125030mX.
 No. 3394 Date Jan 30 94
 Machine. Reel.

Turns 34 Cor. + 02 Depth 36 fms

Shot or lead 26 lb

Bottom gy. s. sh.

Bottom temperature 46

No. of thermometer 66724 Cor.

Corrected temperature West

Air Surface Drift .4

Trawl or dredge Agassiz

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10, 42, 30	10, 43 00	0	10, 47, 30	11, 04, 00
		100	54, 50	11, 01, 00
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500		
	2600		
	2700	574.5	15
	2800	574	15
	2900	574	
	3000		
	3100		
	3200		
	3300		
	3400		
	3500		
	3600		
	3700		
	3800		
	3900		
	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

4. Sample of 2000, 1 foot. (1000000)

48,13.00, 122, 52, 36

No. 303 Date 11/11/02

Machine. Reel.

Turns 47 Cor. + 2 Depth 49 fms

Shot or lead 35

Bottom Bek ls s

Bottom temperature 21.5

No. of thermometer 69250 Cor.

Corrected temperature

Air 51 Surface 46 Drift

Trawl or dredge Dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

11:51.20	11:59.20	0	11:56.00	12-12-28
11:59.40	11:40.00	73	11:57.30	
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	52.5, 12
	2800	10
	2900	7
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5	46	66422		
25				
15	46	66665		
50				
25	45	66665		
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

$\frac{1}{2}$ bu. Sea Machine. 12 Starfish
(3 species) 1 Pteropoda, 1 Siphonura

4 F. 14. 30. 132. 58

No. 3346 Date Apr 30 1877
 Tanner Machine. Reel.

Turns 78 Cor. + 3 Depth 81 fms

Shot or lead 26 lbs

Bottom br M

Bottom temperature 44.5

No. of thermometer 66724 Cor.

Corrected temperature

Air Surface Drift $1\frac{1}{2}$ S $\frac{7}{8}$ mi

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

12 54 26	1-01-30	0	1 08-40	36-15
57-11	12-57-00	100	-13-00	33-45
		150	15-15	31-00
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Sounding wire 131

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
500	3200	
78	3300	
46.7	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

(Depth 1000) 2 species
 deep sea
 crabs 1 over
 2 herrings 1 pack and some
 1 pack scallops, few small
 starfishes, 1 ft small shells
 1 small shell

No.

Date

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

*Large mass of small marine
 & larval crustacea seen
 at 1000*

No.

Date

Machine. Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Small Sample

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

48,15, 123,00

No. *Dr.* Date *1887*
Tanner Machine. Reel.
 Turns *64* Cor. + *3* Depth *67 fms*
 Shot or lead *26 lbs*
 Bottom *cr. M. S.*
 Bottom temperature *45*
 No. of thermometer *66724* Cor.
 Corrected temperature
 Air Surface Drift *SxN 1/4 W 1 mi*
 Trawl or dredge *none*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>2-10-10</i>	<i>07-55</i>	0	<i>2-10-10</i>	<i>1-10-10</i>
		100	<i>12-0</i>	<i>32-0</i>
		<i>150</i>	<i>15-0</i>	<i>2-30-10</i>
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

10 *Fluminea* (*Panopaea*) and 1 ditto
 (*Athysanella*) ; 1 *Dor. Cor.* ; few small
Agonidae ; 1 *Stomat.* ; 1/2 pk *Urochord.*
 1/2 pk shells (all sp.) mostly *Praire*
 with *Urochord.*
 1 qt. *Shrimps* & *Praire* - 1 doz. *Stars* 4 sp.
 1 kg *Naked Mollusk*. 1/2 pk *Scallops*

707. 218114 - 123,00

No. 1 Date 1883

Machine. 2 Reel.

Turns 56 Cor. + 11 Depth 67 fms

Shot or lead 26 lb.

Bottom fine gy. S

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

2-15-15		0	
17-00		100	
		200	
		300	
		400	
		500	
		600	
		700	
18-30	107	800	
36	155	900	
71-41	4	1000	
		1100	
		1200	
		1300	
		1400	
		1500	
		1600	
		1700	
		1800	
		1900	
		2000	
		2100	
		2200	
		2300	
		2400	

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Preceding pages cut out
on account of having
incorrect records of
correction tables for
sounding scales.

H.C.F.

No.

Date

17 May 1894.

Sigsbee

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

SOUNDING WIRE.		DREDGE ROPE.	
Turns	Time	Turns	Time
0	50	1400	1415
0	100	50	1466
0	50	1500	1511
0	200	50	1568
0	50	1600	1619
1	300	50	1671
1	50	1700	1723
1	400	50	1775
1	50	1800	1827
2	500	50	1879
2	50	1900	1931
2	600	50	1983
2	50	2000	2035
3	700	50	2087
3	50	2100	2139
4	800	50	2191
4	50	2200	2243
5	900	50	2295
6	50	2300	2347
7	1000	50	2399
8	50	2400	2451
9	1100	50	2503
10	50	2500	2555
11	1200	50	2607
12	50	2600	2659
13	1300	50	2711
14	50	2700	2763

<u>Faths.</u>	<u>Fms.</u>		<u>Faths.</u>	<u>Fms.</u>
		2500		
6 2750	2816	111	3500	3611
69 2800	2869	2600	50	3664
72 50	2922	144	3600	3717
75 2900	2975	2700	50	3770
78 50	3028	117	3700	3823
81 3000	3081	2800	50	3876
84 50	3134	120	3800	3929
87 3100	3187	2900	50	4037
90 50	3240	123	3900	4091
93 3200	3293	3000	50	4145
96 50	3346	126	4000	4199
99 3300	3399	3100	50	4253
102 50	3452	129	4100	4307
105 3400	3505	3200	50	4334
108 50	3558	132	4175	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		177	2.4	175.23
50		178	5.0	175.77
100		179	2.5	176.23
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Splies at 100, 295, 630, 880,
 1210, 1625, 1970, 2170,
 2475, 2970, 3275, 3560,
 3670, 3770, and 4230
 fms. - from zero.

No. *H.C.F.* Date *18 May 1894.*
Tanner Machine. Reel.
 Turns Cor. + Depth
 Shot or lead
 Bottom
 Bottom temperature
 No. of thermometer
 Corrected temperature
 Air Surface Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
Turns.	Fms.		Down.	Up.
0	0	0	0	
25	25	100	0	
50	50	200	0	
75	75	300	0	
100	101	400	1	
25	126	500	1	
50	151	600	1	
75	176	700	1	
200	202	800	2	
25	227	900	2	
50	252	1000	2	
75	278	1100	3	
300	303	1200	3	
25	329	1300	4	
50	354	1400	4	
75	380	1500	5	
400	406	1600	6	
25	432	1700	7	
50	458	1800	8	
75	484	1900	9	
500	510	2000	10	
25	536	2100	11	
43	555	2200	12	
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

5.26
2.16
1.36

REMARKS:

Measured to bottom and
by stray line.

Records of the U.S. Fish Commission
Off. Hydrog. Id., Alaska.
 No. *107* Date *June 6, 1894*
Tanner Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING-WIRE.

TURNS.

DREDGE-ROPE.

DOWN.

UP.

DOWN.

UP.

<i>Time</i>	<i>Time</i>	0	<i>Setting P. line</i>	
<i>6.50</i>	<i>14 $\frac{3}{4}$</i>	100	<i>by hand lead</i>	
<i>6.51</i>	<i>18</i>	200	<i>shot</i>	<i>19.0</i>
<i>6.54</i>	<i>17 $\frac{1}{2}$</i>	300	"	<i>19.1</i>
<i>6.56</i>	<i>17</i>	400	"	<i>19.3</i>
<i>6.57.30</i>	<i>23</i>	500	<i>anchors</i>	<i>19.6</i>
<i>6.59.40</i>	<i>26</i>	600	"	<i>19.8</i>
<i>7.01.20</i>	<i>31</i>	700	"	<i>20.0</i>
<i>7.03.10</i>	<i>32</i>	800	"	<i>20.2 $\frac{1}{2}$</i>
<i>7.05.15</i>	<i>31 $\frac{1}{2}$</i>	900	"	<i>20.5</i>
<i>7.06.10</i>	<i>38 $\frac{1}{2}$</i>	1000	"	<i>20.8</i>
<i>7.06.25</i>	<i>41</i>	1100	<i>anchors</i>	<i>21.0</i>
<i>7.07.50</i>	<i>46</i>	1200	<i>anchors</i>	<i>21.3</i>
<i>7.09.10</i>	<i>36</i>	1300	<i>anchors</i>	<i>21.5 $\frac{1}{2}$</i>
<i>7.10.03</i>	<i>41</i>	1400	<i>anchors</i>	<i>21.8</i>
<i>7.11.50</i>	<i>46</i>	1500	"	<i>22.1</i>
<i>7.13.20</i>	<i>38 $\frac{1}{2}$</i>	1600	"	<i>22.4</i>
<i>7.15.00</i>	<i>42 $\frac{1}{2}$</i>	1700	<i>anchors</i>	<i>22.7 $\frac{1}{2}$</i>
<i>7.16.30</i>	<i>38 $\frac{1}{2}$</i>	1800	<i>anchors</i>	<i>23.0</i>
<i>7.17.40</i>	<i>36</i>	1900	"	<i>23.4 $\frac{1}{2}$</i>
<i>7.19.10</i>	<i>33 $\frac{1}{2}$</i>	2000	<i>anchors</i>	<i>23.8</i>
<i>7.20.00</i>		2100	<i>anchors</i>	<i>24.2</i>
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

N¹⁴ 6'

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50	60.15			
100	59.10			
200	58.10			
300	57.10			
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

KP4

S.D.

2500. 1.0 (400) - 5 11 20.2

52-46-30 or

175-27-00 E

No.

Date

Machine.

Reel.

Turns

Cor.

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

8.10.30

27.30

0

8.11.30

26.30

100

8.12.30

25.30

200

8.13.30

24.30

300

16.35

23.50

400

18.35

22.40

500

600

700

800

900

1000

31.15

21.40

1100

33.15

20.15

1200

36.15

18.30

1300

17.30

1400

42.00

15.40

1500

44.05

14.30

1600

46.15

13.20

1700

48.45

12.15

1800

50.50

11.00

1900

52.55

10.00

2000

54.45

8.40

2100

45

9.15

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	4175 159
	3000	2115 37
	3100	2060 122
	3200	2115
	3300	2237
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507. *J. H. H.* 52-41-30 *W*
 176-24 *E*
 No. 3491 Hyd Date June 7, 1894
Sigsbee Machine. 2 Reel. Navy
 Turns 1990 Cor. + 117 Depth 2107.
 Shot or lead 30-lbs.
 Bottom br M fine S.
 Bottom temperature 35.0
 No. of thermometer 63902 Cor.
 Corrected temperature
 Air 40 Surface 39 Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4-32-00	59-05	0		
33-15	57-55	100		
34-20	57-05	200		
35-30	56-15	300		
36-45	55-25	400		
38-00	54-40	500		
39-15	53-45	600		
40-40	52-45	700		
42-15	51-40	800		
43-45	50-30	900		
45-30	49-15	1000		
47-15	48-00	1100		
49-15	46-30	1200		
51-15	44-50	1300		
53-15	43-00	1400		
55-20	40-50	1500		
57-30	36-45	1600		
59-40	35-10	1700		
5-01-45	18-15	1800		
04-00	10-15	1900		
06-15	5-08-00	2000		
		2100		
		2200		
		2300		
		2400		

P. Log 77.4

Remarks.

At 1830 turns, engine belt broke, wire jumped from reel. Time 5.11.45. Started to reel in again 5.17.30

At 1723 turns, drain pipe blew out. Time 5.19.35. Replaced it and started reeling in at 5.34.35.

5.19.35 1723
5.34.35

5.11.45 1830
5.17.30

4175	159
1990	42
<hr/> 2185	<hr/> 717
	199.0
	<hr/> 2107

57. 5~4

60. 5~5~